

Application Serial No. 09/626,551
Amendment dated April 20, 2005
Reply to Office Action of February 22, 2005

Docket No. CM03228J
Customer No. 24273

The listing of claims will replace all prior versions and listings of claims in the application

Listing of Claims:

Claims 1-11 (canceled).

12. (Original): A dictionary word list used in a data compressor, comprising:

a set of words, wherein the set of words is sorted into partitions, and wherein each partition having a common starting character is sorted by lengths of the words, and wherein each partition is identified by the common starting character and the one of the lengths; and

an index, wherein a starting location for each partition is stored.

13. (Original): A method used for constructing a dictionary word list used in a data compressor, comprising in a first computer the steps of:

determining a set of words that are included in the dictionary word list;

sorting each subset of words having a common starting character by lengths of the words, wherein each subset of the set of words that was sorted by one of the lengths is named a partition and is identified by the common starting character and the one of the lengths; and

storing each partition at a starting location in memory, and

storing an index of the starting locations for each common starting character and the ones of the lengths.

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14. (Original): The method according to claim 13, wherein in the step of sorting each set of words having a common starting character by lengths of the words, the lengths of the words start at a minimum length and end at a maximum length, and include all integral lengths from the minimum to the maximum length, and wherein all words that are as long as, or longer than, the maximum length are in one partition.

15. (Original): A method of compressing a data file using tokens that identify symbol strings stored in one or more dictionaries, comprising the steps of:

determining that two successive symbol strings in a data file are represented by two tokens that are not necessarily different;

determining that the two successive symbol strings are separated only by a space; and

encoding the two successive symbol strings in a compressed data file by arranging the two tokens adjacently, without an intervening space symbol.